

Abstract

AN ION EXCHANGE SYSTEM WITH COMPACTED MEDIA  
DURING OPERATION AND REGENERATION  
PROCESSES USING U-TUBE PRINCIPLE

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10 This invention is a liquid separation system using ion exchange resin, adsorbent resin and catalytic resin based on U-tube principle. It is shown that relatively low fluid velocity is sufficient to maintain the resin bed in compacted state during the operation as well as during the regeneration processes so that high quality product, low regenerant consumption, and convenient operation are obtained.